

Abstract

After distributing a nonmetal element in a region in the vicinity of a surface portion of a semiconductor layer, a metal film is deposited on the semiconductor layer. Next, a semiconductor-metal compound layer is epitaxially grown in the surface portion of the semiconductor layer by causing a reaction between an element included in the semiconductor layer and a metal included in the metal film through annealing carried out on the metal film.

2025 RELEASE UNDER E.O. 14176